

What is claimed is:

1. A digital broadcasting reception system comprising a receiver for receiving digital broadcasting, a display for displaying the images of the digital broadcasting received by said receiver and a printer for printing images contained in the digital broadcasting received by said receiver;

said receiver, said display and said printer being connected to each other by way of a first signal transmission means for transmitting digital signals;

said receiver having:

a reception means for receiving digital broadcasting;

an imaging means for generating video data by performing a predetermined imaging operation according to the received signals of digital broadcasting; and

an output means for transmitting the video data generated by said imaging means by way of said first signal transmission means;

said printer having:

a reception means for receiving video data transmitted by said first signal transmission means; and

a printing means for printing the images of the video data received by said reception means.

2. The digital broadcasting reception system according to claim 1, wherein

said receiver includes a memory means for temporarily storing the video
data generated by said imaging means;

said memory means being adapted to temporarily storing said video data until the completion of the reception of said video data by said reception means of said printer; and

said output means transmits said video data stored in said memory means
by way of said first signal transmission means.

3. The digital broadcasting reception system according to claim 1,
wherein

said printer includes a converting means for processing the video data received by said reception means and generating printing video data suitable for printing;

said printing means being adapted to print the images of the printing video data generated by said converting means.

4. The digital broadcasting reception system according to claim 3, wherein said printer includes a memory means for temporarily storing at least part of the printing video data generated by said converting means.

5. The digital broadcasting reception system according to claim 1, wherein said printer includes a memory means for temporarily storing at least part of the video data received by said reception means.

6. The digital broadcasting reception system according to claim 1,

wherein

said imaging means generates display video data to be used for displaying images on said display and printing video data to be used for printing images by said printer;

said output means being adapted to transmit said display video data and said printing video data by way of said first signal transmission means; and

said printer includes a video data extracting means for extracting the printing video data out of the display video data and the printing video data transmitted by way of said first signal transmission means.

7. The digital broadcasting reception system according to claim 6, wherein the output means of said receiver transmits the printing video data by way of said first signal transmission means during the time period when no display video data is transmitted.

8. The digital broadcasting reception system according to claim 1, wherein

said receiver and said printer are connected to each other by way of a second signal transmission means showing a data transmission rate lower than said first signal transmission means;

said receiver and said printer being provided with respective transmission/reception means for transmitting and receiving code data containing a quantity of information smaller said video data.

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9. The digital broadcasting reception system according to claim 8, wherein said transmission/reception means of said receiver and that of said printer transmit and receive control signals for controlling the operation of said printer and/or status signals indicating the operating status of the printer.

10. The digital broadcasting reception system according to claim 8, wherein

said receiver includes:

a code data generating means for generating code data containing service information and/or character information by performing a certain processing operation according to the signals of the digital broadcasting received by said reception means; and

said printer includes:

a code data extracting means for extracting the service information and/or the character information out of the code data received by said transmission/reception means; and

a synthesizing means for synthesizing the service information and/or the character information extracted by said code data extracting means and generating synthesized images;

said printing means being adapted to print the synthesized images generated by said synthesizing means.

11. The digital broadcasting reception system according to claim 8,

wherein

said receiver includes:

a code data generating means for generating code data containing predetermined selection information; and

said printer includes:

a reception means for receiving digital broadcasting according to the selection information contained in the code data received by said transmission/reception means;

an information generating means for generating service information and/or character information by performing a certain processing operation according to the signals of the digital broadcasting received by said reception means; and

a synthesizing means for synthesizing said video data and the service information and/or the character information generated by said information generating means and generating synthesized images;

said printing means being adapted to print the synthesized images generated by said synthesizing means.

12. A digital broadcasting receiver comprising a receiving section for receiving digital broadcasting and a printing section connected to said receiving section by way of a first signal transmission means for transmitting signals in order to print images contained in the digital broadcasting received by said

receiving section;

said receiving section having:

a reception means for receiving digital broadcasting;

an imaging means for generating video data by performing a predetermined imaging operation according to the received signals of digital broadcasting; and

an output means for transmitting the video data generated by said
imaging means by way of said first signal transmission means;

said printing section having:

a reception means for receiving video data transmitted by said first signal transmission means; and

a printing means for printing the images of the video data received by said reception means.

13. The digital broadcasting receiver according to claim 12, wherein
said receiving section includes a memory means for temporarily storing
the video data generated by said imaging means;

said memory means being adapted to temporarily storing said video data until the completion of the reception of said video data by said reception means of said printing section; and

said output means transmits said video data stored in said memory means by way of said first signal transmission means.

14. The digital broadcasting receiver according to claim 12, wherein said printing section includes a converting means for processing the video data received by said reception means and generating printing video data suitable for printing;

said printing means being adapted to print the images of the printing video data generated by said converting means.

15. The digital broadcasting receiver according to claim 14, wherein said printing section includes a memory means for temporarily storing at least part of the printing video data generated by said converting means.

16. The digital broadcasting receiver according to claim 12, wherein said printing section includes a memory means for temporarily storing at least part of the video data received by said reception means.

17. The digital broadcasting receiver according to claim 12, wherein
said imaging means generates display video data to be used for
displaying images on a display and printing video data to be used for printing
images by said printing section;

said output means being adapted to transmit said display video data and
said printing video data by way of said first signal transmission means; and

said printing section includes a video data extracting means for extracting printing video data out of the display video data and the printing video data transmitted by way of said first signal transmission means.

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18. The digital broadcasting receiver according to claim 17, wherein the output means of said receiving section transmits the printing video data by way of said first signal transmission means during the time period when no display video data is transmitted.

19. The digital broadcasting receiver according to claim 12, wherein said receiving section and said printing section are connected to each other by way of a second signal transmission means showing a data transmission rate lower than said first signal transmission means;

said receiving section and said printing section being provided with respective transmission/reception means for transmitting and receiving code data containing a quantity of information smaller said video data.

20. The digital broadcasting receiver according to claim 19, wherein said transmission/reception means of said receiving section and that of said printing section transmit and receive control signals for controlling the operation of said printing section and/or status signals indicating the operating status of the printing section.

21. The digital broadcasting receiver according to claim 19, wherein said receiving section includes:

a code data generating means for generating code data containing service information and/or character information by performing a certain processing operation according to the signals of the digital broadcasting received by said

reception means; and

said printing section includes:

a code data extracting means for extracting the service information and/or the character information out of the code data received by said transmission/reception means; and

a synthesizing means for synthesizing the service information and/or the character information extracted by said code data extracting means and generating synthesized images;

said printing means being adapted to print the synthesized images generated by said synthesizing means.

22. The digital broadcasting receiver according to claim 19, wherein said receiving section includes:

a code data generating means for generating code data containing predetermined selection information; and

said printing section includes:

a reception means for receiving digital broadcasting according to the selection information contained in the code data received by said transmission/reception means;

an information generating means for generating service information and/or character information by performing a certain processing operation according to the signals of the digital broadcasting received by said reception

means; and

a synthesizing means for synthesizing said video data and the service information and/or the character information generated by said information generating means and generating synthesized images;

said printing means being adapted to print the synthesized images generated by said synthesizing means.

23. A receiver comprising:

a reception means for receiving digital broadcasting;

an imaging means for generating video data by performing a predetermined imaging operation according to the received signals of digital broadcasting; and

an output means for transmitting the video data generated by said imaging means to a display for displaying digital broadcasting and a printer for printing images contained in digital broadcasting by way of a first signal transmission means.

24. The receiver according to claim 23, further comprising:

a memory means for temporarily storing the video data generated by said imaging means;

said memory means being adapted to temporarily storing said video data until the completion of the reception of said video data by said reception means of said printing section; and

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said output means transmits said video data stored in said memory means by way of said first signal transmission means.

25. The receiver according to claim 23, wherein

said imaging means generates display video data to be used for displaying images on said display and printing video data to be used for printing images by said printer;

said output means being adapted to transmit said display video data and said printing video data by way of said first signal transmission means.

26. The receiver according to claim 25, wherein said output means transmits the printing video data by way of said first signal transmission means during the time period when no display video data is transmitted.

27. A receiver according to claim 23, wherein

it is connected to said printer by way of a second signal transmission means showing a data transmission rate lower than said first signal transmission means; and

further comprises a transmission/reception means for transmitting and receiving code data containing a quantity of information smaller said video data.

28. The receiver according to claim 27, wherein said transmission/reception means transmits and receives control signals for controlling the operation of said printer and/or status signals indicating the

operating status of the printer.

29. The receiver according to claim 27, further comprising a code data generating means for generating code data containing service information and/or character information by performing a certain processing operation according to the signals of the digital broadcasting received by said reception means.

30. A printer for printing the images of the video data generated by a receiver out of the digital broadcasting received by it, said printer comprising:

a reception means for receiving the video data transmitted from said receiver to a display for displaying digital broadcasting and to the printer by way of a first signal transmission means for transmitting signals; and

a printing means for printing the images of the video data received by said reception means.

31. The printer according to claim 30, further comprising:

a converting means for processing the video data received by said reception means and generating printing video data suitable for printing;

said printing means being adapted to print the images of the printing video data generated by said converting means.

32. The printer according to claim 31, further comprising a memory means for temporarily storing at least part of the printing video data generated by said converting means.

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33. The printer according to claim 30, further comprising a memory means for temporarily storing at least part of the video data received by said reception means.

34. The printer according to claim 30, wherein
said reception means receives the display video data generated by said receiver so as to be used for displaying images on said display and the printing video data also generated by said receiver so as to be used for printing images by said printer by way of said first signal transmission means;

said printer further comprising a video data extracting means for extracting the printing video data out of the display video data and the printing video data received by said reception means.

35. The printer according to claim 30, wherein
it is connected to said receiver by way of a second signal transmission means showing a data transmission rate lower than said first signal transmission means; and

further comprises a transmission/reception means for transmitting and receiving code data containing a quantity of information smaller said video data.

36. The printer according to claim 35, wherein said transmission/reception means transmits and receives control signals for controlling the operation of said printer and/or status signals indicating the

operating status of the printer.

37. The printer according to claim 35, wherein

said receiving section receives the code data containing service information and/or character information and generated by said receiver by performing a certain processing operation according to the signals of the received digital broadcasting; and

said printer further comprises:

a code data extracting means for extracting the service information and/or the character information out of the code data received by said transmission/reception means; and

a synthesizing means for synthesizing the service information and/or the character information extracted by said code data extracting means and generating synthesized images;

said printing means being adapted to print the synthesized images generated by said synthesizing means.

38. The printer according to claim 35, wherein

said receiving means receives the code data generated by said receiver and containing predetermined selection information; and

said printer further comprises:

a reception means for receiving digital broadcasting according to the selection information contained in the code data received by said

transmission/reception means;

an information generating means for generating service information and/or character information by performing a certain processing operation according to the signals of the digital broadcasting received by said reception means; and

a synthesizing means for synthesizing said video data and the service information and/or the character information generated by said information generating means and generating synthesized images;

said printing means being adapted to print the synthesized images generated by said synthesizing means.

39. A printing method for receiving digital broadcasting by means of a receiver and printing images contained in the digital broadcasting received by said receiver, said method comprising:

connecting said receiver, a display for displaying the images of the digital broadcasting received by said receiver and said printer to each other by means of a first signal transmission means for transmitting digital signals;

said receiver operating for:

receiving digital broadcasting;

generating video data by performing a predetermined imaging operation according to the received signals of digital broadcasting; and

transmitting the video data generated by said imaging means by way of

said first signal transmission means;

said printer operating for:

receiving the video data transmitted by said first signal transmission means; and

printing the images of the video data received by said reception means.

40. The printing method according to claim 39, wherein
said receiver is adapted to temporarily store the generated video data
until the completion of the reception of said video data to be used by said
printer for printing; and

transmit said temporarily stored video data by way of said first signal transmission means.

41. The printing method according to claim 39, wherein said printer processes the received video data, generates printing video data suitable for printing and prints the images of the generated printing video data.

42. The printing method according to claim 41, wherein said printer temporarily stores at least part of the printing video data generated by said converting means.

43. The printing method according to claim 39, wherein said printer temporarily stores at least part of the received video data.

44. The printing method according to claim 39, wherein
said receiver is adapted to generate display video data to be used for

displaying images on said display and printing video data to be used for printing images by said printer by performing a predetermined imaging operation according to the signals of the received digital broadcasting and transmits the generated display video data and printing video data by way of said first signal transmission means; and

said printer is adapted to extract the printing video data out of the display video data and the printing video data transmitted by way of said first signal transmission means.

45. The printer method according to claim 44, wherein said receiver is adapted to transmit the printing video data by way of said first signal transmission means during the time period when no display video data is transmitted.

46. The printing method according to claim 39, wherein

said receiver and said printer are connected to each other by way of a second signal transmission means showing a data transmission rate lower than said first signal transmission means;

said receiver and said printer being provided with respective transmission/reception means for transmitting and receiving code data containing a quantity of information smaller said video data.

47. The printing method according to claim 46, wherein said receiver and said printer transmit and receive control signals for controlling the

operation of said printer and/or status signals indicating the operating status of the printer.

48. The printing method according to claim 46, wherein

said receiver generates code data containing service information and/or character information by performing a certain processing operation according to the signals of the digital broadcasting received by it; and

said printer extracts the service information and/or the character information out of the code data received by it, synthesizes the service information and/or the character information extracted by it and generates synthesized images;

said printer being adapted to print the synthesized images.

49. The digital broadcasting reception system according to claim 46, wherein

said receiver generates code data containing predetermined selection information; and

said printer receives digital broadcasting according to the selection information contained in the received code data, generates service information and/or character information by performing a certain processing operation according to the signals of the received digital broadcasting, synthesizes said video data and the service information and/or the character information generated by said information generating means and generates synthesized

images;

said printer being adapted to print the synthesized images generated by
said synthesizing means.

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